



RAFFLES  
UNIVERSITY

**RAFFLES UNIVERSITY**  
**NEEMRANA, ALWAR**

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**Course Plan**

**Program-** B. Pharm

**Semester-II**

**Course-**COMPUTER APPLICATIONS IN PHARMACY

**Course Code-** BP-205 (T)

**Session** – 2023-2024

Teacher name- Mr. Sunil

S. No.	Day	Subject	L	T	P	Total
1.	D Day					
2.	D+1	Number system: Binary number system, Decimal number system, Octal number system, Hexadecimal number systems	1	0	0	1
3.	D+2	Conversion decimal to binary, binary to decimal, octal to binary, binary addition, binary subtraction.	1	0	0	1
4.	D+3	One's complement, Two's complement Method, binary multiplication, binary division.	1	0	0	1
5.	D+4	Concept of information Systems and Software: Information gathering, requirement.	1	0	0	1
6.	D+5	feasibility analysis, data flow diagrams, process specifications	1	0	0	1
7.	D+6	input/output design, process Life cycle, planning and managing the project.	1	0	0	1
<b>TOTAL</b>			<b>06</b>	<b>0</b>	<b>0</b>	<b>06</b>
8.	D+7	Web technologies: Introduction to HTML	1	0	0	1
9.	D+8	XML, CSS and Programming languages	1	0	0	1

10.	D+9	Introduction to web servers and Server Products.	1	0	0	1
11.	D+10	Introduction to databases	1	0	0	1
12.	D+11	MYSQL, MS ACCESS	1	0	0	1
13.	D+12	Pharmacy Drug database.	1	0	0	1
<b>TOTAL</b>			<b>6</b>	<b>0</b>	<b>0</b>	<b>06</b>
14.	D+13	<b>Application of computers in Pharmacy – Drug information storage and retrieval</b>	1	0	0	1
15.	D+14	Pharmacokinetics, Mathematical model in Drug design	1	0	0	1
16.	D+15	Hospital and Clinical Pharmacy	1	0	0	1
17.	D+16	Electronic Prescribing and discharge (EP) systems	1	0	0	1
18.	D+17	barcode medicine identification and automated dispensing of drugs	1	0	0	1
19.	D+18	Mobile technology and adherence monitoring.	1	0	0	1
20.	D+19	Diagnostic system. Lab-diagnostic System	1	0	0	1
21.	D+20	Patient Monitoring System, Pharma Information System.	1	0	0	1
<b>TOTAL</b>			<b>8</b>	<b>0</b>	<b>0</b>	<b>08</b>
22.	D+21	Bioinformatics: Introduction	1	0	0	1
23.	D+22	Objective of Bioinformatics	1	0	0	1
24.	D+23	Bioinformatics Databases,	1	0	0	1
25.	D+24	Concept of Bioinformatics	1	1	0	1
26.	D+25	impact of Bioinformatics in Vaccine Discovery	1	0	0	1
27.	D+26	impact of Bioinformatics in Vaccine Discovery	1	0	0	1
<b>TOTAL</b>			<b>6</b>	<b>0</b>	<b>0</b>	<b>06</b>
28.	D+27	Computers as data analysis in Preclinical development	1	0	0	1
29.	D+28	Chromatographic data analysis	1	0	0	1

<b>30.</b>	D+29	Laboratory Information management System	1	0	0	1
<b>31.</b>	D+30	LIMS	1	0	0	1
<b>32.</b>	D+31	Text Information Management System (TIMS)	1	0	0	1
<b>33.</b>	D+32	Text Information Management System (TIMS)	1	0	0	1
<b>TOTAL</b>			<b>6</b>	<b>0</b>	<b>0</b>	<b>06</b>